

Title (en)

Method for profiling a nonwoven fabric and profile forming device

Title (de)

Verfahren zum Profilieren eines Vlieses und Profilbildungseinrichtung

Title (fr)

Procédé pour profiler un non-tissé et dispositif de formation de profils

Publication

**EP 1643022 A1 20060405 (DE)**

Application

**EP 05022667 A 20020423**

Priority

- EP 02778850 A 20020423
- DE 20107004 U 20010423
- DE 20117627 U 20011031

Abstract (en)

To profile a multi-layer nonwoven (9), by altering its thickness and density, the web passed to the laying unit (3) is controlled to stretch and/or compress the web (8) delivered by the card (2), etc. The delivered web is stretched/compressed by a number of defined clamping points, at the profile structuring unit (1) between the card and web layer. The web is passed to a buffer at variable speeds, to be transferred to the laying unit at a constant speed.

IPC 8 full level

**D01G 21/00** (2006.01); **D01G 25/00** (2006.01); **D04H 1/70** (2012.01); **D04H 1/74** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- [YD] DE 4304988 C1 19940407 - AUTEFA MASCHINENFAB [DE]
- [Y] DE 9212215 U1 19940113 - AUTEFA MASCHINENFAB [DE]
- [A] US 3920511 A 19751118 - GRIEVES LOWELL G, et al

Cited by

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DOCDB simple family (publication)

**WO 02101130 A1 20021219**; DE 50207108 D1 20060720; DE 50211901 D1 20080424; DE 50214639 D1 20101014; EP 1381721 A1 20040121; EP 1381721 B1 20060607; EP 1643022 A1 20060405; EP 1643022 B1 20100901; EP 1647617 A1 20060419; EP 1647617 B1 20080312; ES 2265058 T3 20070201; ES 2302111 T3 20080701

DOCDB simple family (application)

**EP 0204431 W 20020423**; DE 50207108 T 20020423; DE 50211901 T 20020423; DE 50214639 T 20020423; EP 02778850 A 20020423; EP 05022667 A 20020423; EP 05022670 A 20020423; ES 02778850 T 20020423; ES 05022670 T 20020423